

*A comprehensive tool  
for creating and maintaining  
dynamic, personalized Web content*



## Interwoven TeamXpress, WebSphere Edition

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### Highlights

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***Create, maintain and deploy content for business-critical Web sites.***

- ***Tag content with attributes for dynamic, tailored delivery by IBM® WebSphere® Personalization (WebSphere Personalization)***
- ***Leverage corporate information sources for reuse on the Web through IBM Content Manager and IBM Enterprise Information Portal***
- ***Accelerate development cycles by empowering non-technical users to contribute content directly to the Web***
- ***Improve and control Web site quality with work-flow approval and version control***

### **Creating a competitive advantage for your business**

Building dynamic Web sites that attract, engage, and retain users requires tools that allow both Web developers and non-technical users to update Web content, and to extend functionality in a timely, yet controlled manner. Interwoven TeamXpress™ for Multiplatforms, WebSphere Edition is a robust platform for managing Web content. When used with IBM WebSphere Application Server (WebSphere Application Server) and WebSphere Personalization, Interwoven TeamXpress creates a complete solution for building and delivering personalized Web sites. In addition, integration with IBM Content Manager and IBM Enterprise Information Portal make it easy to enrich Web content with rich media, streaming audio and video, and document-based assets.

In a dynamic and growing e-business, the amount and complexity of Web site content, and the frequency of updates can rapidly spin out of control. Interwoven TeamXpress enables the Web team to contribute new content, maintain existing content,

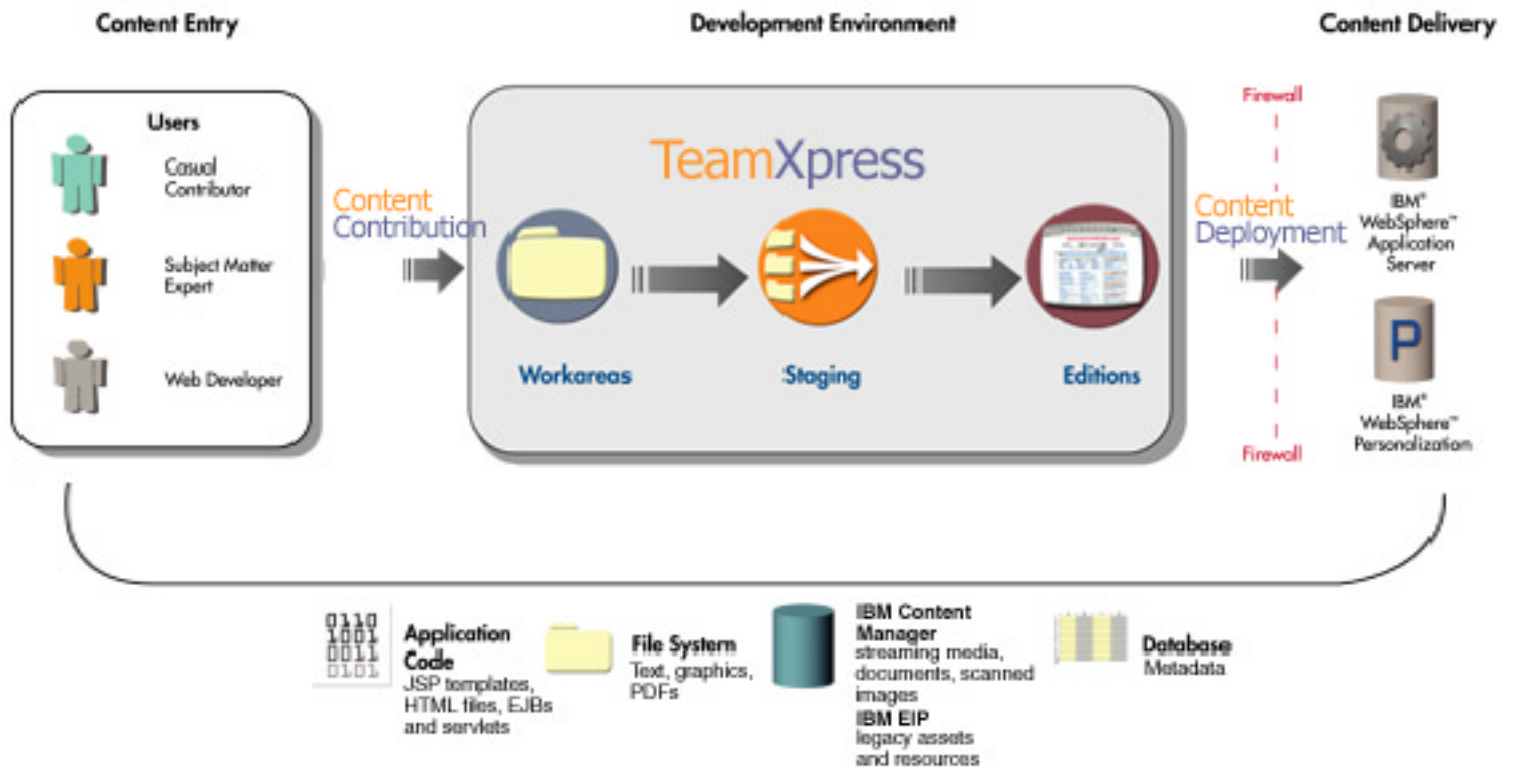
and prepare pages for personalized, targeted delivery through WebSphere Application Server and WebSphere Personalization. By managing your Web site better, you'll be able to create a more-compelling online experience for your employees, partners and customers, and generate a competitive advantage for your business.

### **Interwoven TeamXpress elements**

Interwoven TeamXpress supports the entire cycle of contributing, managing and deploying Web content (see the figure). It provides up to four private workareas, each of which contains complete virtual copies of the Web site; a staging area where contributors integrate their work; and editions which are read-only snapshots of the Web site at various points in its development.

Content is submitted from workareas to the staging area, and the staging area is then published as an edition. Editions can be deployed to a company's staging servers, production Web servers or alternative delivery channels.

## Overview of Interwoven TeamXpress Architecture



### Private workareas

Web contributors have private workareas hosted on the TeamXpress server to create and edit Web content. Each workarea contains a virtual copy of the entire Web site. This allows team members to review updates in the context of the entire site without impacting either the production Web site or another contributor's work.

### Staging area

Team members upload their work from the workareas to a shared staging area to integrate and stage their collective work. When the content is submitted to the staging area, sophisticated visual and source-differencing tools enable the team members to resolve any discovered conflicts immediately.

### Editions

The contents of a staging area can be published at any time as a new edition or as sequential snapshots depicting the Web site during development. These editions provide valuable backups of the site, including all the file assets, application code, database content and configuration files needed to exactly reproduce the entire site. This is useful in disaster-recovery situations and also for legal purposes, because it can provide a record of how the Web site looked on a specific date.

### Configurable locking

Within workareas, contributors can lock files to prevent other users from duplicating or overwriting their work. Administrators can choose how strictly

files are to be locked. Submit Locking allows concurrent development by users in separate workareas, but gives lock holders priority in submitting files to the staging area. Write Locking prevents other users from editing a locked file. This option can be either mandatory or optional.

### Business-critical features

TeamXpress offers the following business-critical features:

#### *Flexible content contribution*

These options provide the Web team with a powerful browser-based graphical user interface (GUI) that supports the drag-and-drop contribution of file-based content. IBM WebSphere Studio (WebSphere Studio) users can contribute development assets directly

to TeamXpress. Non-technical authors use the TeamXpress templating to submit text and file attachments. Templating offers a fully standards-compliant Extensible Markup Language (XML)-based publishing solution for creating, editing and managing template-based content, and allows organizations to separate form from content. The content categories can be pregenerated or assembled on-the-fly using the WebSphere Application Server. Through tight database integration and rich publishing rules, Templating maximizes content reuse. It also allows customers to capture content using any user-defined XML document type definition (DTD). This provides unparalleled flexibility to customers for capturing and storing content using their native XML structure. In addition, TeamXpress Templating provides a Java™ language-based GUI that supports a rich content-entry environment.

### *WebSphere Personalization support*

This support enables non-technical authors to submit content and automatically prompts the author to categorize the content so it can be dynamically delivered using WebSphere Personalization rules. The support feature also deploys the content and categorical information (metadata) to the WebSphere Personalization database repository for dynamic delivery through WebSphere Application Server.

### *Integration with IBM Content Manager*

Interwoven TeamXpress supports the search, retrieval and reuse of rich media, streaming audio/video and document-based assets stored in the IBM Content Manager and Content Manager VideoCharger™ solutions, or any asset managed by IBM Enterprise Information Portal. Assets can be retrieved and routed for approval and subsequent publishing to production Web servers, or can be dynamically accessed in place for high-performance delivery without replicating the content.

### *Collaboration, staging and virtualization*

Content authors and editors can work independently or in teams to create, modify and approve content, and they can preview their work in the context of the fully operational “virtualized view” of the Web site. Interwoven TeamXpress’ audit trails, comparison capabilities, and visual differencing allow project managers to track status, improve coordination, and ensure that deliverables are correct and on schedule. Web producers can test the site, including personalized content, on staging servers prior to deploying to production Web servers.

### *Task-based workflow*

The task-based workflow system automates Web production processes, including content contribution, approval

and publishing. Custom workflows are built from example workflow templates. E-mail notification is supported.

### *Version control and rollback*

Version control and rollback make it simple for authors to make, store and view changes at any time during the Web development process. Interwoven TeamXpress supports an unlimited number of versions of each Web asset and roll-back of both individual assets as well as entire Web sites—in the event of errors in the production system. Each version is efficiently stored as a delta of the original, therefore conserving disk space.

### *Seamless deployment of content*

Interwoven OpenDeploy® software, bundled with TeamXpress, provides a secure and transactional environment for deploying both content and metadata to production Web servers. It is integrated with WebSphere Application Server and WebSphere Personalization to enable dynamic delivery of personalized content. The OpenDeploy software features both 40-bit symmetric key encryption and 56-bit or 168-bit\* asymmetric key encryption for secure deployment. Deployment events can be triggered manually, through workflow or on a scheduled basis.

### *Rules-based search*

TeamXpress offers the ability to perform rules-based searches across metadata and templating content. End users can

use the TeamXpress software's intuitive search forms to locate assets based on any set of metadata attributes. When used in conjunction with IBM Content Manager and IBM Enterprise Information Portal, users can also search for and reuse content stored in these repositories. The TeamXpress search function enables end users to efficiently locate any content to edit; assign content as a workflow item to another user; expire and deploy content to the production environment; and to download content for offline editing.

\* 168-bit encryption is available in the United States only.

### **TeamXpress system specifications**

#### *Client requirements*

Interwoven TeamXpress client can be accessed through a Web browser on the following platforms:

- Microsoft® Windows® 95
- Microsoft Windows 98
- Microsoft Windows NT®
- Microsoft Windows 2000
- Sun Solaris 2.5.1, 2.6 and Solaris 2.7 (32-bit)
- Macintosh 7.5 and above
- Interwoven TeamXpress Templating—Java™ client requirements: 20-MB disk space, 64-MB memory

#### *TeamXpress server operating system*

Sun Solaris 2.5.1, 2.6 and Solaris 2.7 (32-bit and 64-bit), Microsoft Windows NT 4.0 (Service Packs 3, 4, 5, and 6a), Microsoft Windows 2000

#### *OpenDeploy operating system*

Sun Solaris 2.5.1, 2.6 and Solaris 2.7 (32-bit and 64-bit), Microsoft Windows NT 4.0 (Service Packs 3, 4, 5 and 6a), Microsoft Windows 2000, AIX 4.3, HP-UX 11.0, Linux RedHat 6.1

#### *Hard disk drive*

- Sun Solaris: 760 MB for the Interwoven TeamXpress application, plus 10 times the Web site size (recommended)
- Microsoft Windows NT and Microsoft Windows 2000: 500 MB for the Interwoven TeamXpress application, plus 10 times the Web site size (recommended)



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